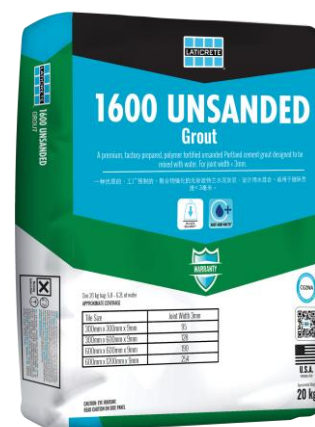




**For the Builders  
of a Better World™**

## 1600 Unsanded Grout

A premium, factory prepared, polymer fortified unsanded Portland cement grout designed to be mixed with water. Formulated from a blend of high strength Portland cement, graded aggregates, polymers and color-fast pigments. Provides a grout joint that is dense, hard and durable.



### FEATURES/BENEFITS

- Mix with water; or for improved performance, fortify with 1776 Grout Enhancer
- Excellent for wet and dry areas
- Non-dusting, non-spalling and non-yellowing
- Non-shrinking
- Easy maintenance
- Dense
- Easy application and clean-up
- No pre-soaking or wetting tile
- No damp curing required
- Available in a range of exciting non-fading colors for interior and exterior use

### USES

For narrow joints (1.5mm to 3mm) between soft bisque glazed wall tile, non-vitreous clay tile, marble and stone.

### MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd  
No. 38 Sungei Kadut Street 2 (Level 2, A3) Singapore 729245  
Telephone: +65 6515 3028 Fax: +65 6515 3037  
Internet: [se.laticrete.com](http://se.laticrete.com)

### STANDARDS/CERTIFICATIONS

BS EN 12808



LEADER  
SGBP 3954

This product has been certified green by the UL GREENGUARD Certification Program and Singapore Green Building Council.

## Packaging

20kg /bag

## Coverage

Refer to Coverage Chart.

Actual coverage will vary depending on job site conditions, actual tile size and installed grout joint size. Add 10% for waste, spillage and clean-up, and another 10%–15% when grouting unglazed quarry tile.

## Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year\* if stored off the ground in a dry area, at temperatures  $\geq 0^{\circ}\text{C}$  and  $\leq 40^{\circ}\text{C}$ .

\* High humidity will reduce the shelf life of bagged product.

## Limitations

- For use in areas submerged under water, please take note on the balancing of PH content, calcium hardness & total alkalinity.
- Do not use where chemical resistance is required. Instead, use SpectraLock Pro Premium Grout.
- Do not use acid to clean colored grout joints.
- Do not allow grout to harden on the face of the tile; clean promptly.
- Jobsite conditions can affect the final color of colored grouts. Try a small test area to determine your results before grouting entire installation.
- Certain types of tile are more absorbent than others and may stain during grouting. Prior to grouting, test a tile with the grout selected. Use a grout release or sealer if required.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE Waterproofing Membrane.
- Actual color shade, and texture may vary due to job site conditions, installation technique and raw material. The colors of cured material may not match and in some cases differ considerably between the actual colors achieved on site. No responsibility can be accepted once the products have been applied. Rest assures that essential controls are taken during the production of the product colors.
- Color and gloss retention of the coating finish may vary depending on type of color, subject to environmental exposures such as temperature, UV intensity, chemical spills, application quality and generic type of resinous finish. Contact LATICRETE Technical representative for further information.

## Cautions

Consult MSDS for more safety information.

- During cold weather, protect finished work from traffic until fully cured.
- Contains Portland cement. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- When mixed with 1776 Grout Enhancer in submerged applications or steam rooms, allow 1600 Unsanded Grout to cure for 14 days

at  $21^{\circ}\text{C}$  before usage of area and filing with water. See TDS 192 for more information on these applications.

- DO NOT take internally. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.
- In submerged underwater applications, please note that water balancing of PH, total alkalinity and calcium hardness is important to ensure durability of grout.

## TECHNICAL DATA

### Performance Properties

When mixed with water

Test	Test Method	Results
Shrinkage	BS EN 12808	$\leq 2.0\text{mm/m}$
Water Absorption (30 min)	BS EN 12808	$\leq 2.0\text{g}$
Water Absorption (240 min)	BS EN 12808	$\leq 4.0\text{g}$
Compressive Strength	BS EN 12808	$\geq 20.0\text{N/mm}^2$
Flexural Strength	BS EN 12808	$\geq 6.0\text{N/mm}^2$
Abrasion Resistance	BS EN 12808	$\leq 500\text{mm}^3$

### Working Properties

1600 Unsanded Grout mixed with water

Pot Life ( $25^{\circ}\text{C}$ )	1 hour
Foot Traffic	24 hours

Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

## INSTALLATION

### Surface Preparation

Before starting to grout, remove spacers and debris in grout joints and remove dust and dirt using a wet sponge. Do not leave water standing in joints. Substrate temperature must be between  $5^{\circ}\text{C}$  and  $40^{\circ}\text{C}$ . Apply grout release or sealer if necessary. Refer to LATICRETE Grout Troubleshooting Guide for more information on grouting.

### Mixing

Use approximately 5.8ℓ - 6.2ℓ of clean potable water for 20kg of 1600 Unsanded Grout powder. Place water in a clean mixing container and add grout powder slowly. Mix by hand or with a slow speed mixer to a smooth, stiff consistency. Allow to slake for 3 - 5 minutes and remix.

**Application**

Dampen tile surface with water. Spread with a sharp, firm rubber grout float. Work the grout paste into the joints until completely filled. Use diagonal strokes to pack the joints. Ensure that joint is filled and grout is not just sitting on top (i.e. "bridging the joint").

**Cleaning**

**Grout Primary Cleaning**—Remove excess grout from the face of the tiles with the edge of the grout float. Hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints and tile to avoid pulling out the material.

**Grout Secondary Cleaning**—Remove remaining grout with a damp sponge (not wet) or a damp towel. Work diagonally to the joints. Allow to dry. When the grout joints are firm, polish the surface with a coarse nylon pad or coarse cloth and minimal water.

**Note:** Use caution when polishing soft glazed tiles or polished stone.

**Selecting Other Grout Materials**

LATICRETE has grouting materials designed for every use.

For maximum stain resistance in most installations choose SpectraLOCK® † PRO Premium Grout. For installations that require high strength and chemical resistance choose LATAPOXY 2000 IG. These products are ideal for installations where a stain resistant, colorfast grout is desired.

† United States Invention Patent No.: 6881768 (and other Patents)

**AVAILABILITY AND COST****Availability**

LATICRETE and LATAPOXY materials are available worldwide. For distributor information, call:

**Telephone:** (65) 6515-3028

**Fax:** (65) 6515-3037

For on-line distributor information, visit LATICRETE at [se.laticrete.com](http://se.laticrete.com)

**Cost**

Contact a LATICRETE Distributor in your area.

**WARRANTY**

LATICRETE SOUTH EAST ASIA PTE LTD warrants that 1600 Unsanded Grout is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of purchase subject to the terms and conditions stated in Data Sheet.

**MAINTENANCE**

LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

**TECHNICAL SERVICES/ CONTACT****Technical Assistance**

Information is available by calling:

LATICRETE South East Asia Pte Ltd

No. 38 Sungei Kadut Street 2

(Level 2, A3)

Singapore 729245

Telephone: (65) 6515-3028

Fax: (65) 6515-3037

Email: [enquiry@laticrete.com.sg](mailto:enquiry@laticrete.com.sg)

**Technical and safety literature**

To acquire technical and safety literature, please visit our website at

[se.laticrete.com](http://se.laticrete.com)

**Disclaimer**

LATICRETE is not responsible for product use beyond its intended application. Liability is limited to replacing defective materials. We are not responsible for any loss or damage resulting from improper use. Product specifications are subject to change without notice. For the most up-to-date information, please visit our website at [se.laticrete.com](http://se.laticrete.com).